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JUNE 16, 1999



UNITED STATES DEPARTMENT OF COMMERCE  
**Patent and Trademark Office**  
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KLAUBER & JACKSON  
DAVID A. JACKSON  
411 HACKENSACK AVENUE  
4TH FLOOR  
HACKENSACK, NJ 07601

*JUN 23 1999*

*KLAUBER & JACKSON*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/29/1999

REEL/FRAME: 9863/0335  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

HIGGS, VICTOR

DOC DATE: 03/12/1999

ASSIGNOR:

MAYES, IAN CHRISTOPHER

DOC DATE: 03/12/1999

ASSIGNOR:

YUN HENG CHIN, FREDDIE

DOC DATE: 03/12/1999

ASSIGNOR:

SWEENEY, MICHAEL

DOC DATE: 03/12/1999

ASSIGNEE:

BIO-RAD MICROMEASUREMENTS LIMITED  
BIO-RAD HOUSE, MAYLANDS AVENUE  
HEMEL HEMPSTEAD  
HERTFORDSHIRE HP2 7TD  
UNITED  
KINGDOM

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JULY 19 2006  
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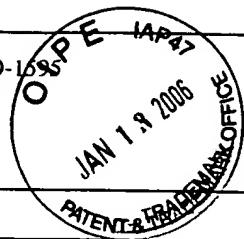
2390-1-001

9863/0335 PAGE 2

SERIAL NUMBER: 09254521  
PATENT NUMBER:

FILING DATE:  
ISSUE DATE:

STEVEN POST, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



04-08-1999



101005557

To the Assistant Commissioner for Patents

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

HEET

Attorney Docket No. 2390-1-001

## 1. Name of conveying party(ies):

Victor HIGGS; Ian Christopher MAYES; Freddie YUN HENG CHIN; and Michael SWEENEY

Additional name(s) of conveying party(ies) attached? [ ] Yes [x] No

## 3. Nature of conveyance:

Assignment  
 Security Agreement

Merger  
 Change of Name

Other: \_\_\_\_\_

Execution Date: March 12, 1999

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

## A. Patent Application No.(s)

09/254,521

## B. Patent No.(s)

Additional numbers attached?  Yes  No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: David A. Jackson

Address: KLAUBER & JACKSON  
 411 Hackensack Avenue, 4th Floor  
 Hackensack, New Jersey 07601

6. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41): \$ 40.00 Enclosed Authorized to be charged to deposit account, if necessary -  
for overages or underpayments only

## 8. Deposit account number:

11-1153

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## 9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*\_\_\_\_\_  
Name of Person Signing  
David A. Jackson, Reg. No. 26,742

Signature

3/25/99  
DateTotal number of pages including cover sheet, attachments, and document: 4

Mail documents to be recorded with required cover sheet information to:

Assistant Commissioner for Patents  
 Box Assignments  
 Washington, D.C. 20231

**A S S I G N M E N T**

WHEREAS, We, Victor HIGGS, a citizen of Great Britain, residing at

BIO-RAD HOUSE  
MAYLANDS AVENUE  
HEMEL HEMPSTEAD  
HERTFORDSHIRE  
HP2 7TD  
UNITED KINGDOM;

Ian Christopher MAYES, a citizen of Great Britain, residing at

BIO-RAD HOUSE  
MAYLANDS AVENUE  
HEMEL HEMPSTEAD  
HERTFORDSHIRE  
HP2 7TD  
UNITED KINGDOM;

Freddie YUN HENG CHIN, a citizen of Malaysia, residing at

BIO-RAD HOUSE  
MAYLANDS AVENUE  
HEMEL HEMPSTEAD  
HERTFORDSHIRE  
HP2 7TD  
UNITED KINGDOM; and

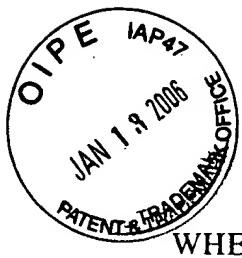
Michael SWEENEY, a citizen of Great Britain, residing at

BIO-RAD HOUSE  
MAYLANDS AVENUE  
HEMEL HEMPSTEAD  
HERTFORDSHIRE  
HP2 7TD  
UNITED KINGDOM

ASSIGNORS, have invented new and useful improvements in

**MICRO DEFECTS IN SEMI-CONDUCTORS**

for which we have filed an Application for Letters Patent in the United States on March 8, 1999.



Attorney Docket No. 2390-1-001

WHEREAS,

BIO-RAD MICROMEASUREMENTS LIMITED  
located at  
BIO-RAD HOUSE  
MAYLANDS AVENUE  
HEMEL HEMPSTEAD  
HERTFORDSHIRE  
HP2 7TD  
UNITED KINGDOM

ASSIGNEE, is desirous of obtaining the entire right, title and interest in, to and under the said improvements and the said application;

NOW, THEREFORE, for other good and valuable consideration, the receipt of which is hereby acknowledged, we the said

ASSIGNORS

have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, to the said

ASSIGNEE

its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, including the right to claim priority under the terms of any appropriate International Convention based upon said application for Letters Patent of the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said

ASSIGNEE,

its successors, legal representatives and assigns, in accordance with the terms of this instrument.

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AND WE HEREBY covenant that we have full right to convey the interest herein assigned in the manner hereinabove set forth, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said

ASSIGNEE,

its successors, legal representatives and assigns, any fact known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisions, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said

ASSIGNEE,

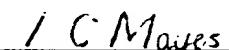
its successors, legal representatives and assigns, to obtain and enforce proper Patent Protection for said improvements in the United States.

IN TESTIMONY WHEREOF, we hereunto set our hand and seal the day and year set opposite our signatures.

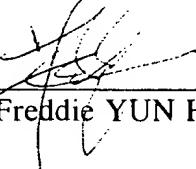
Date 12<sup>th</sup> March, 1999

  
\_\_\_\_\_  
Victor HIGGS

Date 12<sup>th</sup> March, 1999

  
\_\_\_\_\_  
Ian Christopher MAYES

Date 12<sup>th</sup> March, 1999

  
\_\_\_\_\_  
Freddie YUN HENG CHIN

Date 12<sup>th</sup> MARCH, 1999

  
\_\_\_\_\_  
Michael SWEENEY



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KINS COE LLP

UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

MARCH 09, 2005

PTAS



\*102826604A\*

KLAUBER & JACKSON  
DAVID A. JACKSON, ESQ.  
411 HACKENSACK AVE., 4TH FLOOR  
HACKENSACK, NJ 07601

REEL 015731 FRAME 0082

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ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY,  
SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/30/2004

REEL/FRAME: 015731/0082  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNEE'S INTEREST (SEE DOCUMENT FOR DETAILS).  
DOCKET NUMBER: 2390-1-001

ASSIGNEE:

BIO-RAD MICROMEASUREMENTS LIMITED  
ASTI OPERATING COMPANY, INC.  
520 CLYDE AVENUE  
MOUNTAIN VIEW, CALIFORNIA 94093

DOC DATE: 10/15/2001

ASSIGNEE:

ASTI OPERATING COMPANY, INC.  
520 CLYDE AVENUE  
MOUNTAIN VIEW, CALIFORNIA 94093

SERIAL NUMBER: 09254521  
PATENT NUMBER:  
TITLE: "MICRO DEFECTS IN SEMI-CONDUCTORS

FILING DATE: 03/08/1999  
ISSUE DATE:

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015731/0082 PAGE 2

KIMBERLY WHITE, EXAMINER  
ASSIGNMENT DIVISION  
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09-01-2004

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(Rev. 03/01)

OMB No. 0651-0027 (exp. 5/31/2002)

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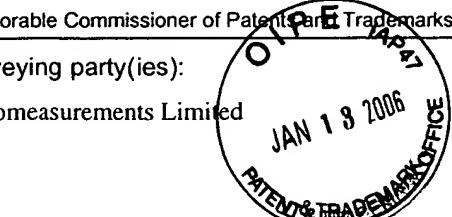
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U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

Attorney Docket No.: 2390-1-001

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.



## 1. Name of conveying party(ies):

Bio-Rad Micromeasurements Limited

Additional name(s) of conveying party(ies) attached?  Yes  No

## 3. Nature of conveyance:

<input checked="" type="checkbox"/> Assignment	<input type="checkbox"/> Merger
<input type="checkbox"/> Security Agreement	<input type="checkbox"/> Change of Name
<input type="checkbox"/> Other _____	

Execution Date: 10/15/01

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

## A. Patent Application No.(s)

09/254,521

## B. Patent No.(s)

Additional numbers attached?  Yes  No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: David A. Jackson, Esq.

Internal Address: \_\_\_\_\_

Street Address: Klauber &amp; Jackson

411 Hackensack Ave., 4th Floor

City: Hackensack State: NJ Zip: 07601

6. Total number of applications and patents involved: 

7. Total fee (37 CFR 3.41).....\$ 40.00

 Enclosed Authorized to be charged to deposit account

## 8. Deposit account number:

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## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

David A. Jackson, Reg. No. 26,742

Name of Person Signing

Signature

11/6/01

Date

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09254521

Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

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## ASSIGNMENT

WHEREAS Bio-Rad Micromeasurements Limited, Semiconductor Division, Haxby Road, York, YO31 8SD, England [hereinafter (collectively) "ASSIGNOR"] is the owner of certain new and useful improvements in

### MICRO DEFECTS IN SEMI-CONDUCTORS

for which an application for United States Letters Patent was files as U.S. Serial No. 09/254,521 on March 8, 1999.

WHEREAS ASTI Operating Company, Inc.  
520 Clyde Avenue  
Mountain View, California 94093  
United States of America

a company incorporated in the United States of America (hereinafter "ASSIGNEE") is desirous of acquiring the entire right, title and interest in the same:

NOW, THEREFORE, in consideration of the sum of one dollar (\$1.00), the receipt whereof is hereby acknowledged, and other good and valuable consideration, the said ASSIGNOR hereby sells, assigns and transfers unto said ASSIGNEE, full and exclusive right to the said invention in the United States and all other countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, and all other countries.

SAID ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said ASSIGNEE, as the assignee of the entire right, title, and interest in and to the same, for the sole use and for the use of its successors, legal representatives, and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by said ASSIGNOR had this assignment and sale not been made.

WITNESS, the hand and seal of the ASSIGNOR on the date(s) indicated.

Date(s)

10/16/01

Signature(s)

Signature:

Sanford S. Wadler

Name:

Sanford S. Wadler

Title:

Secretary